

People's Forum

Limstone In Jackson and Josephine Counties, Oregon
By A. E. Kellogg.

Great importance attaches just now in determining the location as to availability of the best limestone deposit within the borders of the state. This due to the fact that the commission created by the legislature at its last session, to locate such deposit, and install a plant to reduce limestone into fertilizer, and furnish it to the people of Oregon at actual cost, are now examining and passing upon the deposits in the state for that purpose. This act of the legislature was passed more particularly on the account of the rapidly growing demand for limestone to be applied to the acid agricultural soils in the various parts of the most productive portions of the great Willamette valley, where the farmers are beginning to realize that this is necessary to transform their soils from a state of rather narrow and limited productivity to lands of boundless capabilities. Other farming regions will sooner or later require similar treatment. Therefore, limestone is one of Oregon's mineral resources that is bound to have an intimate and essential practical relationship to the development of the state's most important and fundamental industries, which is farming.

Along with a number of other problems equally or comparatively important is some of the other fields of our mineral industries, the Oregon Bureau of Mines and Geology has given a great deal of attention to searching out available limestone deposits in the state contiguous to transportation facilities. The officials of the bureau have keenly felt the necessity of giving to this problem the attention it deserves, and of spending the requisite amount of time and money in its prosecution. Thus not only serving the miner, but the farmer and the whole population of the state. We have our wise legislators to thank, who was responsible for the creation of the commission and prevented its destruction during the last session of the lawmakers. The reports of the bureau embraces a brief summary of the existing knowledge concerning the limestone deposits in Oregon, including whatever information pertaining to them, have been published in the Mineral Resources of Oregon, the official publication of the bureau, to which this report of the deposits of these counties are based.

The chief limestone deposits in Jackson and Josephine counties occur in four fairly well defined belts, having a general trend from southwest to northeast. They are as a rule elongated or lens-like mass, usually less than a mile in length and but a few hundred feet in thickness. The belts in which the limestone beds occur are given by J. S. Diller as follows:

The first belt of limestone includes prominent ledge three miles southeast of Kirby, as well as several on Cheney creek. The second belt is less regular. It extends from the vicinity of Gold Hill on the main line of the Southern Pacific Company's railway, southwestward by the Oregon Bonanza mine to the well known Oregon Caves, and beyond into California. The third belt, which has several readily accessible ledges on Kanes creek, appears to the southwest on Applegate river, on Steamboat creek, and in the vicinity of Whisky peak, where the belt enters California. The fourth belt appears on Little Applegate river, and possibly also on Applegate river near Watkins, where a prominent limestone lense occurs close to the mica schist, which it appears to overlie.

The chief limestone lenses of the Gold Hill district, where the transportation question is settled, are as follows:

of unusually large size or perhaps two or more lenses, extending from north to south, varying from 200 to 300 feet in thickness. The enclosing rock are slate or argillites, though the Siskiyou granitic batholith approaches within 100 feet of the limestone in one place. The sedimentary rock strikes north 10 degrees, 17 degrees east and dips east 85 degrees.

In the outskirts of Gold Hill a limestone lens has a thickness of 100 feet and a length of 1000 feet; it strikes north 20 degrees east, and dips east 75 degrees. It is interbedded with argillaceous shale. At this location the Beaver Portland Cement company has erected a cement plant having a capacity of 1000 barrels per day.

On Galls creek opposite of Gold Hill are several lens of high grade limestone, but the extent of the deposit is unknown.

Three miles west of Gold Hill at an elevation varying from 1500 to 1900 feet a lens of limestone about 100 feet thick strikes north 85 degrees east, and dips 70 degrees southeast. This property is operated by the cement company. The composition of the limestone near Gold Hill by assay varies in silica .31 to .25.21 per cent; aluminum and iron .20 to .2.20; magnesium 39.02 to 55.17; calcium 31.49 to 43.66.

Along the Applegate river a bed of marble has been exploited at a point near Williams. Marble is a metamorphosed and usually crystalline limestone, not differing from the latter in composition. It may thus serve for practically any purpose that limestone is suitable, besides its many possibilities for interior decorative and sanitary uses.

There are other limestone deposits farther down the Applegate towards its confluence with the Rogue, on Williams, Oscar and Cheney creeks.

A somewhat important limestone deposit exists on Elder creek, one of the headwaters of the Illinois river. It is near the town of Takilma, is accessible and is used as a source of lime flux in the smelter at Takilma.

From this brief reference to the limestone deposits known to exist within the examined portions of Jackson and Josephine counties, it is seen that there are vast quantities of good stone available largely within the watershed of Rogue river, some of which is now within reach of transportation. Many beds of usable quality are likewise now remote, but these are properly regarded as a valuable potential resource merely awaiting the course of development which the future of this section of Oregon has every reason to expect.

Gold Hill, Ore., June 7, 1917.

Why This Cold Indifference to the Liberty Loan?

Some things done by Portland, in the past, savor of a marked open-handed prodigality, but the situation, at present writing, on the indifference of the wealthy in subscribing liberally to the Liberty Loan is anything but an edifying spectacle, and the Oregonian doesn't hesitate to state the plain fact that the Portland bankers are amazed that the commercial capital of Oregon should permit itself to be in such an unhappy plight. Within five days from the present date (June 10) Portland has to make good to the extent of \$2,715,000, and the thought in most men's minds is, will she be able to do it? Citizens of comparatively small means have, the country over, unhesitatingly given to the best of their ability and thus discharged the significance of that "bit" of national helpfulness in a crisis about which our sane, just, and discriminating president has discoursed so eloquently. This is no time for "putting off the evil day" (as some remark) of furnishing the ducaats for prosecuting the most righteous war ever undertaken in the maintenance of that right and liberty which enables the

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individual to plank himself on this earth without the fear of molestation from any source. The wealthy Portlander ought to take home to himself the object lesson before his eyes in Great Britain, where the rich man, for war purposes, has to submit to an income tax of 50 per cent on all his possessions. There are instances, however, along the Pacific coast where the rich and well-to-do have contributed generously of their substance to the Liberty Loan. An instance, worth reciting, reaches us this week from Seattle, in which a Mr. Clarence A. Black, president of the well-known Seattle Hardware Company, has purchased a \$100,000 block of war bonds; the company itself \$50,000, followed by a further subscription of \$16,000 from the shareholders of this energetic and patriotic concern. Here is an example of the true American spirit which believes in DOING THINGS.

H. G. G.

Crane has a building boom. Five business houses and several bungalows are erected.

State-wide Red Cross Campaign

Portland, June 9.—Until the Red Cross week, June 18-25, is past and the \$400,000 asked of Oregon outside of Multnomah county for the \$100,000 emergency Red Cross fund has been secured, it is asked that large social affairs be discontinued in order that all energy may be given the big, patriotic task assigned to this state.

At the same time, H. L. Corbett, chairman of the State Red Cross committee, suggests that such methods of raising money for the Red Cross as teas and socials be discontinued. He believes the situation too grave, the need too pressing and Oregon's responsibility too great to go about the work in a small way. Each community will be systematically districted by its committee, and loyal citizens are asked to have their contributions ready to give direct without loss of time or extra costs. It is desired that every cent shall

We have leased the Klamath Exchange building for five years and will move into it about July 1st. This is a fine large, light, clean building practically in the center of our city where we will be more able to accommodate our large and growing business. Our lease includes the big warehouse in the rear to the alley also basement.

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be utilized directly for Red Cross service.

In the organization of the general state campaign, special representatives of the state committee will confer with practically every community in Oregon. State Chairman Corbett is visiting the cities between Baker and Portland. State Field Manager L. G. Nichols will meet with the committees in Marshfield, North Bend, Bandon, Myrtle Point, Coquille and Powers in Coos and Curry counties. George Kelly will go to Eugene, Cottage Grove, Junction City, Wendling and Marecla. Robert



E. Smith will confer with Red Cross campaign organizations at Medford, Ashland, Jacksonville, Grants Pass, Roseburg, Drain and Oakland. Barclay Atchinson will go to Astoria.

Arrangements have been made for reports from all Oregon communities which will be summarized and sent out as bulletins of progress. The state at large is asked for \$400,000; the city of Portland for \$200,000. There will be keen competition between state and Portland committees to be first in reporting success.

There are those who want to know why the Red Cross is so important to the nation in its way emergency that President Wilson issued a proclamation appealing for \$100,000,000 fund and setting aside Red Cross week in which to raise it.

At the front line trenches, stretcher bearers wearing the insignia of the Red Cross will be found carrying the wounded to the rear. Red Cross ambulances are carrying the wounded to Red Cross base hospitals where Red Cross physicians and nurses faithfully nurse the wounded soldiers back to health, in order that they may return to the world war for liberty or be able to come back to those who wait for them at home.

The bandages used in Red Cross hospitals are made by devoted women working for the Red Cross in many communities.

The vocational training given soldiers incapacitated for former employment will be organized by the Red Cross. The mother who has given up her boy, her support, to the service of his country, will find her necessities cared for by the Red Cross and he can march away with no anxious thought as to her welfare.

The training of Red Cross nurses is under Red Cross direction. Thus all along the line the universal service of mercy helps to lessen the horrors and rigors of war and also to strengthen the nation. The United States cannot do its part without the Red Cross and the Red Cross is dependent on the contributions of those who want to help win the war but cannot serve at the front.

Phone news items to the Tidings.

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There's a wonderful difference between getting rid of a corn now and the way they used to try to get rid of it only four or five years ago. "Gets-It" has revolutionized corn history. It's the only corn remedy



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